

INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/012661

A. CLASSIFICATION OF SUBJECT MATTER

Int.Cl⁷ G01N35/08, 1/10, 21/00, 27/26, 27/447, 31/20, 33/48, 37/00,
B01J19/00, C12Q1/00, C12M1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int.Cl⁷ G01N1/00-1/44, 21/00-21/958, 27/26-27/92, 31/00-31/22,
33/48-37/00, B01J19/00, C12Q1/00, C12M1/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
JOIS (JICST FILE)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	JP 2001-502793 A (Central Research Laboratories Ltd.), 27 February, 2001 (27.02.01), Full text; Figs. 1 to 4 & EP 935745 A & KR 2000048669 A & WO 98/13684 A1	1, 4-6, 12, 13, 16-19, 21-40, 42 2, 3, 7-11, 14, 15, 20, 41
Y	WO 2002/023180 A1 (Hitachi, Ltd.), 21 March, 2002 (21.03.02) Full text; Figs. 1 to 14 & JP 2002-527777 A	1, 4-6, 12, 13, 16-19, 21-40, 42 2, 3, 7-11, 14, 15, 20, 41

☒ Further documents are listed in the continuation of Box C. ☐ See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search
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14 December, 2004 (14.12.04)

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PCT/JP2004/012661

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	JP 2003-222611 A (NEC Corp.), 08 August, 2003 (08.08.03), Full text; Figs 1 to 21 & WO 03/44519 A1	1, 4-6, 12, 13, 16-19, 21-40, 42 2, 3, 7-11, 14, 15, 20, 41
Y	WATANABE, ICHIMOKU, HORIIKE, Dai 63 Kai Oyo Butsuri Gakkai Gakujutsu Koenkai Koen Yokoshu, Dai 3 Bunsatsu, 24 September, 2002 (24.09.02), page 1147 (25a-R-11)	6
Y	JP 11-352094 A (Matsushita Electric Industrial Co., Ltd.), 24 December, 1999 (24.12.99), Par. Nos. [0005], [0010]; Fig. 7 & CN 1243953 A & EP 964245 A & US 2003000834 A1	16-18
Y	SANO, BABA, IGUCHI, IIDA, KAWAURA, SAKAMOTO, Dai 63 Kai Oyo Butsuri Gakkai Gakujutsu Koenkai Koen Yokoshu, Dai 3 Bunsatsu, 24 September, 2002 (24.09.02), page 1146 (25a-R-8)	21, 22
Y	IIDA, KAWAURA, IGUCHI, SANO, BABA, Dai 63 Kai Oyo Butsurigakkai Gakujutsu Koenkai Koen Yokoshu, Dai 3 Bunsatsu, 24 September, 2002 (24.09.02), page 1147 (25a-R-9)	19, 28, 39
Y	JP 8-327594 A (Shimadzu Corp.), 13 December, 1996 (13.12.96), Full text; Figs. 1 to 6 (Family: none)	24, 40, 42
Y	JP 6-10900 A (Canon Inc.), 21 January, 1994 (21.01.94), Full text; Figs. 1 to 18 & EP 568024 A & US 5599502 A	19, 31, 33, 37, 39